



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/749,714

DATE: 08/04/2004

TIME: 08:28:45

Input Set : D:\21900-20307.10 - Seq List.txt  
 Output Set: N:\CRF4\08042004\J749714.raw

4 <110> APPLICANT: CORDELL, Barbara  
 5 SCHIMMOLLER, Frauke  
 6 YU-WANG, Liu  
 7 QUON, Diana Hom  
 9 <120> TITLE OF INVENTION: MODULATION OF ABETA LEVELS BY  
 10 BETA-SECRETASE BACE2  
 12 <130> FILE REFERENCE: 219002030710  
 14 <140> CURRENT APPLICATION NUMBER: US 10/749,714  
 15 <141> CURRENT FILING DATE: 2003-12-31  
 17 <150> PRIOR APPLICATION NUMBER: US 09/886,143  
 18 <151> PRIOR FILING DATE: 2001-06-20  
 20 <150> PRIOR APPLICATION NUMBER: US 60/215,729  
 21 <151> PRIOR FILING DATE: 2000-06-28  
 23 <160> NUMBER OF SEQ ID NOS: 2  
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 1863  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Homo sapiens  
 32 <400> SEQUENCE: 1  
 33 cccatccctg cccgcagccc cgcgcgccgg ccgagtcgt gaggccgcgg tgccggacgg 60  
 34 gacgggaccg gctaggctgg ggcgcgcgc cggggccccg ccgtggccat gggcgcactg 120  
 35 gccccggcgc tgctgtgcc tctgtggcc cagtggctcc tgccgcgcgc cccggagctg 180  
 36 gccccggcgc cttcacgct gcccctccgg gtggccgcgg ccacgaaccc cgttagttgcg 240  
 37 cccaccccg gacccgggac ccctggcggag cgccacgcgg acggcttggc gtcggccctg 300  
 38 gagcctgccc tggcgcccc cggggcgcc gccaacttct tgcccatggt agacaacctg 360  
 39 cagggggact ctggccgcgg ctactacctg gagatgtga tcgggacccc cccgcagaag 420  
 40 ctacagattc tcgttgacac tgaaagcagt aactttggcc tgccaggaac cccgcactcc 480  
 41 tacatagaca cgtacttga cacagagagg tctagcacat accgctccaa gggcttgac 540  
 42 gtcacagtga agtacacaca aggaagctgg acgggcttcg ttggggaaaga cctcgtcacc 600  
 43 atccccaaag gcttcaatac ttctttctt gtcaacattt ccactattt tgaatcagag 660  
 44 aatttcttt tgccctggat taaatggaat ggaataacttgc gcttagctta tgccacactt 720  
 45 gccaagccat caagttcttgc ggagacccccc ttgcactccc tggtgacacaca agcaaacatc 780  
 46 cccaaacgttt tctccatgca gatgtgtggc gccggcttgc ccgtgtgtgg atctggacc 840  
 47 aacggaggtt gtcttgtctt gggtggatt gaaccaagtt tgtataaaagg agacatctgg 900  
 48 tatacccccta ttaaggaaaga gtggactac cagatagaaa ttctgaaatt ggaaatttgg 960  
 49 ggc当地aaagcc ttaatcttgc ctgcagagag tataacgcac acaaggccat cgtggacagt 1020  
 50 ggc当地accgc tgctgcgcct gccccagaag gtgtttgtat cgtgtgtgg agctgtggcc 1080  
 51 cgccatctc tgattccaga attctctgtat ggtttcttgc ctgggtccca gctggcgtgc 1140  
 52 tggacgaatt cggaaacacc ttggcttac ttccctaaaa tctccatcta cctgagagac 1200  
 53 gagaactcca gcaggtcatt ccgtatcaca atcctgcctc agctttacat tcagccatg 1260  
 54 atggggcccg gcctgaatta tgaatgttac cgattcggca tttccccatc cacaatgcg 1320  
 55 ctggtgatcg gtgccacggc gatggaggc ttctacgtca tcttcgacag agcccaag 1380



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56 agggtggct tcgcagcgag cccctgtgca gaaattgcag gtgctgcagt gtctgaaatt 1440  
 57 tccgggcctt tctcaacaga ggatgttagcc agcaactgtg tccccgtca gtcttgagc 1500  
 58 gagcccattt tgtggattgt gtcttatgcg ctcatgagcg tctgtggagc catcctcctt 1560  
 59 gtcttaatcg tcctgctgct gctgccgttc cggtgtcagc gtcgcccccc tgaccctgag 1620  
 60 gtctgtcaatg atgagtcctc tctggtcaga catcgctgga aatgaatagc caggcctgac 1680  
 61 ctcagaagcaac catgaactca gctattaaga aaatcacatt tccaggcgcag cagccggat 1740  
 62 cgatggtggc gctttctcct gtgcccaccc gtcttcaatc tctgttctgc tcccagatgc 1800  
 63 cttcttagatt cactgtctt tgattcttga tttcaagct ttcaaattcct ccctacttcc 1860  
 64 aag 1863  
 66 <210> SEQ ID NO: 2  
 67 <211> LENGTH: 517  
 68 <212> TYPE: PRT  
 69 <213> ORGANISM: Homo sapiens  
 71 <400> SEQUENCE: 2  
 72 Met Gly Ala Leu Ala Arg Ala Leu Leu Pro Leu Leu Ala Gln Trp  
 73 1 5 10 15  
 74 Leu Leu Arg Ala Ala Pro Glu Leu Ala Pro Ala Pro Phe Thr Leu Pro  
 75 20 25 30  
 76 Leu Arg Val Ala Ala Ala Thr Asn Arg Val Val Ala Pro Thr Pro Gly  
 77 35 40 45  
 78 Pro Gly Thr Pro Ala Glu Arg His Ala Asp Gly Leu Ala Leu Ala Leu  
 79 50 55 60  
 80 Glu Pro Ala Leu Ala Ser Pro Ala Gly Ala Ala Asn Phe Leu Ala Met  
 81 65 70 75 80  
 82 Val Asp Asn Leu Gln Gly Asp Ser Gly Arg Gly Tyr Tyr Leu Glu Met  
 83 85 90 95  
 84 Leu Ile Gly Thr Pro Pro Gln Lys Leu Gln Ile Leu Val Asp Thr Gly  
 85 100 105 110  
 86 Ser Ser Asn Phe Ala Val Ala Gly Thr Pro His Ser Tyr Ile Asp Thr  
 87 115 120 125  
 88 Tyr Phe Asp Thr Glu Arg Ser Ser Thr Tyr Arg Ser Lys Gly Phe Asp  
 89 130 135 140  
 90 Val Thr Val Lys Tyr Thr Gln Gly Ser Trp Thr Gly Phe Val Gly Glu  
 91 145 150 155 160  
 92 Asp Leu Val Thr Ile Pro Lys Gly Phe Asn Thr Ser Phe Leu Val Asn  
 93 165 170 175  
 94 Ile Ala Thr Ile Phe Glu Ser Glu Asn Phe Phe Leu Pro Gly Ile Lys  
 95 180 185 190  
 96 Trp Asn Gly Ile Leu Gly Leu Ala Tyr Ala Thr Leu Ala Lys Pro Ser  
 97 195 200 205  
 98 Ser Ser Leu Glu Thr Phe Phe Asp Ser Leu Val Thr Gln Ala Asn Ile  
 99 210 215 220  
 100 Pro Asn Val Phe Ser Met Gln Met Gly Ala Gly Leu Pro Val Ala Gly  
 101 225 230 235 240  
 102 Ser Gly Thr Asn Gly Gly Ser Leu Val Leu Gly Gly Ile Glu Pro Ser  
 103 245 250 255  
 104 Leu Tyr Lys Gly Asp Ile Trp Tyr Thr Pro Ile Lys Glu Glu Trp Tyr  
 105 260 265 270  
 106 Tyr Gln Ile Glu Ile Leu Lys Leu Glu Ile Gly Gly Gln Ser Leu Asn

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107	275	280	285
108	Leu Asp Cys Arg Glu Tyr Asn Ala Asp Lys Ala Ile Val Asp Ser Gly		
109	290	295	300
110	Thr Thr Leu Leu Arg Leu Pro Gln Lys Val Phe Asp Ala Val Val Glu		
111	305	310	315
112	Ala Val Ala Arg Ala Ser Leu Ile Pro Glu Phe Ser Asp Gly Phe Trp		320
113	325	330	335
114	Thr Gly Ser Gln Leu Ala Cys Trp Thr Asn Ser Glu Thr Pro Trp Ser		
115	340	345	350
116	Tyr Phe Pro Lys Ile Ser Ile Tyr Leu Arg Asp Glu Asn Ser Ser Arg		
117	355	360	365
118	Ser Phe Arg Ile Thr Ile Leu Pro Gln Leu Tyr Ile Gln Pro Met Met		
119	370	375	380
120	Gly Ala Gly Leu Asn Tyr Glu Cys Tyr Arg Phe Gly Ile Ser Pro Ser		
121	385	390	395
122	400	405	415
123	Thr Asn Ala Leu Val Ile Gly Ala Thr Val Met Glu Gly Phe Tyr Val		
124	Ile Phe Asp Arg Ala Gln Lys Arg Val Gly Phe Ala Ala Ser Pro Cys		
125	420	425	430
126	Ala Glu Ile Ala Gly Ala Ala Val Ser Glu Ile Ser Gly Pro Phe Ser		
127	435	440	445
128	Thr Glu Asp Val Ala Ser Asn Cys Val Pro Ala Gln Ser Leu Ser Glu		
129	450	455	460
130	Pro Ile Leu Trp Ile Val Ser Tyr Ala Leu Met Ser Val Cys Gly Ala		
131	465	470	475
132	Ile Leu Leu Val Leu Ile Val Leu Leu Leu Pro Phe Arg Cys Gln		480
133	485	490	495
134	Arg Arg Pro Arg Asp Pro Glu Val Val Asn Asp Glu Ser Ser Leu Val		
135	500	505	510
136	Arg His Arg Trp Lys		
137	515		

**VERIFICATION SUMMARY**

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Input Set : D:\21900-20307.10 - Seq List.txt

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